

Firestone
Polymers FYI-0902-01432

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Attn: TSCA Section 8(e) FYI Coordinator
U.S. Environmental Protection Agency
1201 Constitution Avenue, NW
Washington, DC 20460-0001



FYI-02-001432

Re: TSCA Section 8(e) "For Your Information" Submission

Dear Sir or Madam:

This "For Your Information" (FYI) submission is being provided to the United States Environmental Protection Agency (USEPA) under Section 8(e) of the Toxic Substances Control Act (TSCA) on behalf of Firestone Polymers, LLC, P.O. Box 1361, Lake Charles, Louisiana, 70602. This submission has been prepared for the following chemicals:

Trioctyltin chloride, CASNO 2587-76-0
Dioctyltin dichloride, CASNO 3542-36-7
Tin tetrachloride, CASNO 7646-78-8

Laboratory exposure of the mud snail (*Ilyanassa obsoleta*) (otherwise referred to as gastropods) to water-borne trioctyltin chloride, dioctyltin dichloride, or tin tetrachloride (tin compounds) resulted in morphological changes in secondary sexual characteristics (imposex). The observed effect was minimal and would not result in sterilization of the animal.

The snails were placed in filtered sea water to which the tin compounds were introduced at final concentrations of 5, 10, 20, 50 and 100 ng/L. (Only trioctyltin and tin tetrachloride were dosed at the 100 ng/L.) The snails were exposed to fresh filtered sea water solutions daily for 45 days. The researchers are currently seeking to publish this information.

If you have any technical questions, please contact:

Ms. Jane Moore
Senior Environmental Consultant
Bridgestone/Firestone Americas Holding, Inc.
50 Century Boulevard
Nashville, TN 37214
Phone: 615-872-1856

Sincerely,

James C. Mathis
Factory Manager



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